



United States Department of Agriculture
National Agricultural Statistics Service



Pacific Region – Hawaii
Noncitrus Fruits and Nuts

The Pacific Region Includes the States of CA, HI and NV
In Cooperation with the Hawaii Departments of Agriculture
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Avocado Bearing Acreage, Yield, Production, Price, and Value - States and United States: 2020-2022

State	Bearing acreage			Yield per acre		
	2020	2021	2022	2020	2021	2022
	(acres)	(acres)	(acres)	(tons)	(tons)	(tons)
California	47,300	46,700	46,900	3.98	2.90	2.95
Florida	4,600	4,400	4,100	3.80	3.33	4.40
Hawaii	820	740	730	0.74	0.80	0.48
United States	52,720	51,840	51,730	3.92	2.91	3.03

State	Total production			Utilized production		
	2020	2021	2022	2020	2021	2022
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
California	188,500	135,500	138,500	187,940	134,840	138,240
Florida	17,500	14,650	18,050	17,170	14,220	17,840
Hawaii	610	590	350	500	540	300
United States	206,610	150,740	156,900	205,610	149,600	156,380

State	Price per ton			Value of utilized production		
	2020	2021	2022	2020	2021	2022
	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
California	2,190.00	2,430.00	3,530.00	411,720	327,369	487,734
Florida	799.00	939.00	800.00	13,726	13,350	14,265
Hawaii	2,370.00	2,250.00	2,690.00	1,186	1,217	807
United States	2,070.00	2,290.00	3,220.00	426,632	341,936	502,806

Papaya Bearing Acreage, Yield, Production, Price, and Value - States and United States: 2020-2022

State	Bearing acreage			Yield per acre		
	2020	2021	2022	2020	2021	2022
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Hawaii	600	600	500	13,800	22,300	16,700
United States	600	600	500	13,800	22,300	16,700

State	Total production			Utilized production		
	2020	2021	2022	2020	2021	2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii	8,280	13,400	8,350	6,950	12,330	7,020
United States	8,280	13,400	8,350	6,950	12,330	7,020

State	Price per pound			Value of utilized production		
	2020	2021	2022	2020	2021	2022
	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Hawaii	0.439	0.686	0.636	3,053	8,460	4,462
United States	0.439	0.686	0.636	3,053	8,460	4,462

Macadamia Bearing Acreage, Yield, Production, Price, and Value - States and United States: 2020-2022

State	Bearing acreage			Yield per acre ¹		
	2020	2021	2022	2020	2021	2022
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Hawaii	17,000	17,000	16,200	2,350	3,110	2,330
United States	17,000	17,000	16,200	2,350	3,110	2,330

State	Utilized production					
	2020		2021		2022	
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii		40,000		52,900		37,700
United States		40,000		52,900		37,700

State	Price per pound			Value of utilized production		
	2020	2021	2022	2020	2021	2022
	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Hawaii	1.240	1.230	0.880	49,600	65,067	33,176
United States	1.240	1.230	0.880	49,600	65,067	33,176

¹ Yield is based on utilized production.

Noncitrus Fruit Comments

Avocado: Utilized production for the 2022 crop season totaled 156,380 tons, up 5 percent from the previous year. Bearing acreage was estimated at 51,730, down slightly from the previous year. The average yield was 3.03 ton per acre, up 0.12 ton from the previous year. Of the total utilized production, 156,210 tons were for the fresh market and 170 tons were for processing. The value of the 2022 crop totaled \$503 million, up 47 percent from the previous season, with an average annual price of \$3,220 per ton.

In California, the largest producing State, growers reported that overall fruit set was low due to the heat wave in 2021 and extended drought stress. Many growers harvested earlier in the season than normal, taking advantage of short avocado imports and higher prices. While some growers reported a complete crop loss, other growers had their most profitable crop in recent years. In Florida, producers cited winds and Laurel Wilt disease issues this season. In Hawaii, many growers reported problems with lace bug, which defoliate the trees causing low fruit set and fruit drop. Some growers had deer and wild pig damage to their trees. Additionally, strong winds knocked some avocados off the trees, rendering the fruit unmarketable.

Papaya: Utilized production in 2022 totaled 7.02 million pounds, down 43 percent from 2021. Bearing acreage was estimated at 500, down 17 percent from the previous year. The average yield was 16,700 pounds per acre, down 5,600 pounds from the previous year. The value of the crop totaled \$4.46 million, down 47 percent from the previous year, with an average annual price of 63.6 cents per pound.

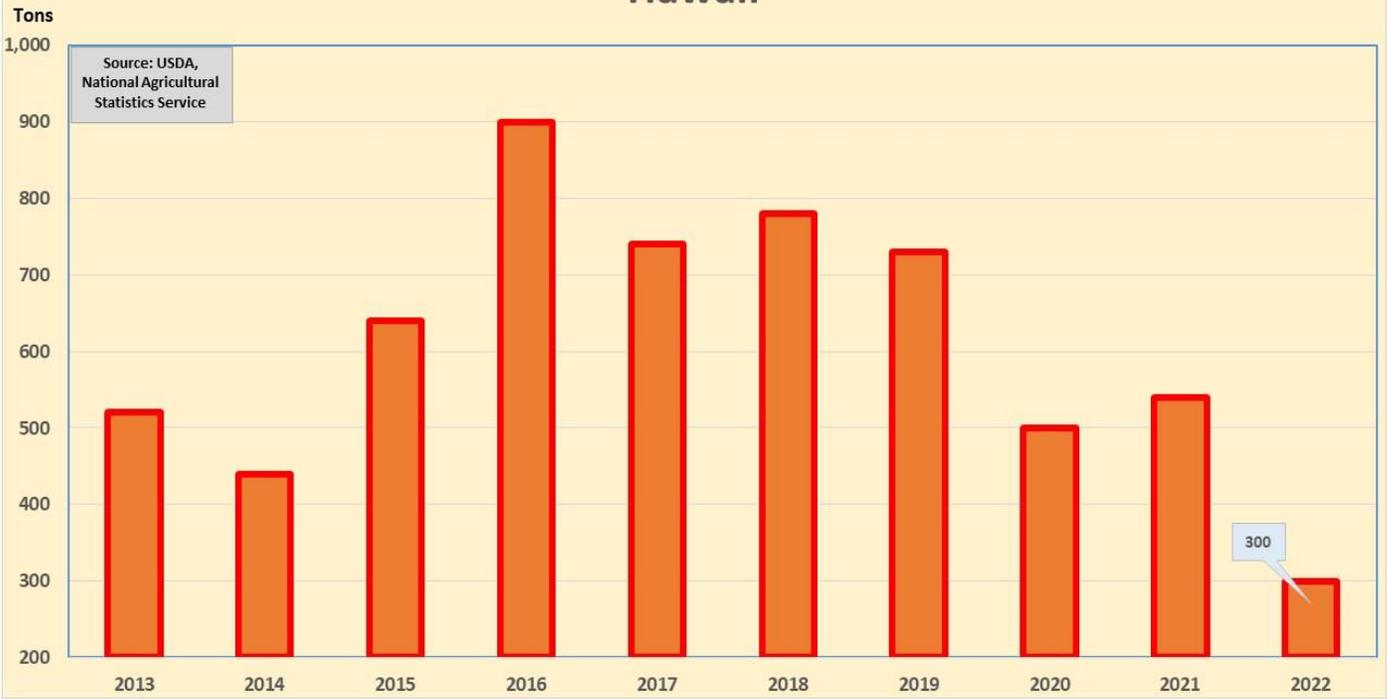
The 2018 volcanic eruption continues to influence land viability and severely impact papaya production. In the Puna District where most of the papaya is grown, lava smothered papaya farms. Many trees that are not covered by lava were destroyed or severely impacted by sulfuric oxide gases.

Tree Nut Comments

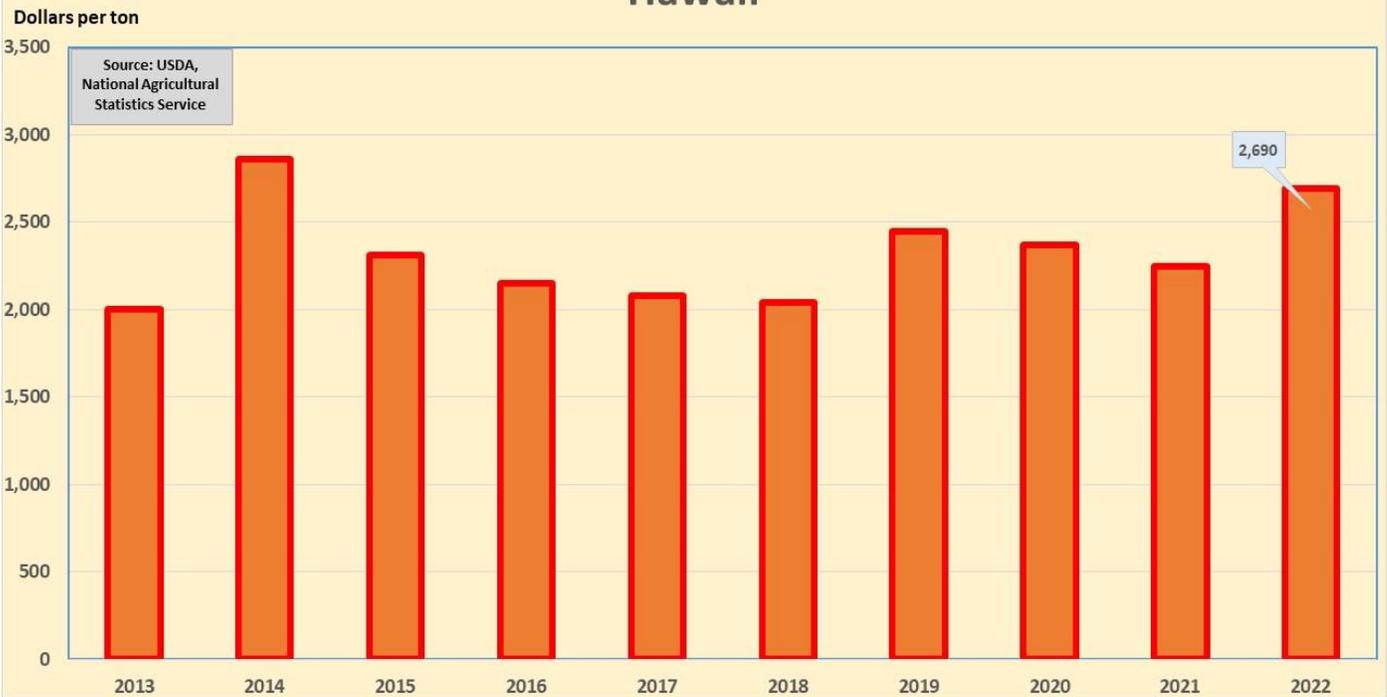
Macadamia: Utilized production in Hawaii for 2022 totaled 37.7 million pounds, down 29 percent from the previous year. Bearing acreage was estimated at 16,200, down 5 percent from the previous year. The average yield was 2,330 pounds per acre, down 780 pounds from the previous year. The value of the crop totaled \$33.2 million, down 49 percent from the previous season, with an average annual price of \$0.88 per pound.

In Hawaii, disease, insects, and feral hog damage to macadamia nut orchards were reported during the growing season. Additionally, during 2022, macadamia nut farmers experienced higher production cost, marketing challenges, and the lowest price since 2015.

Avocado Utilized Production Hawaii

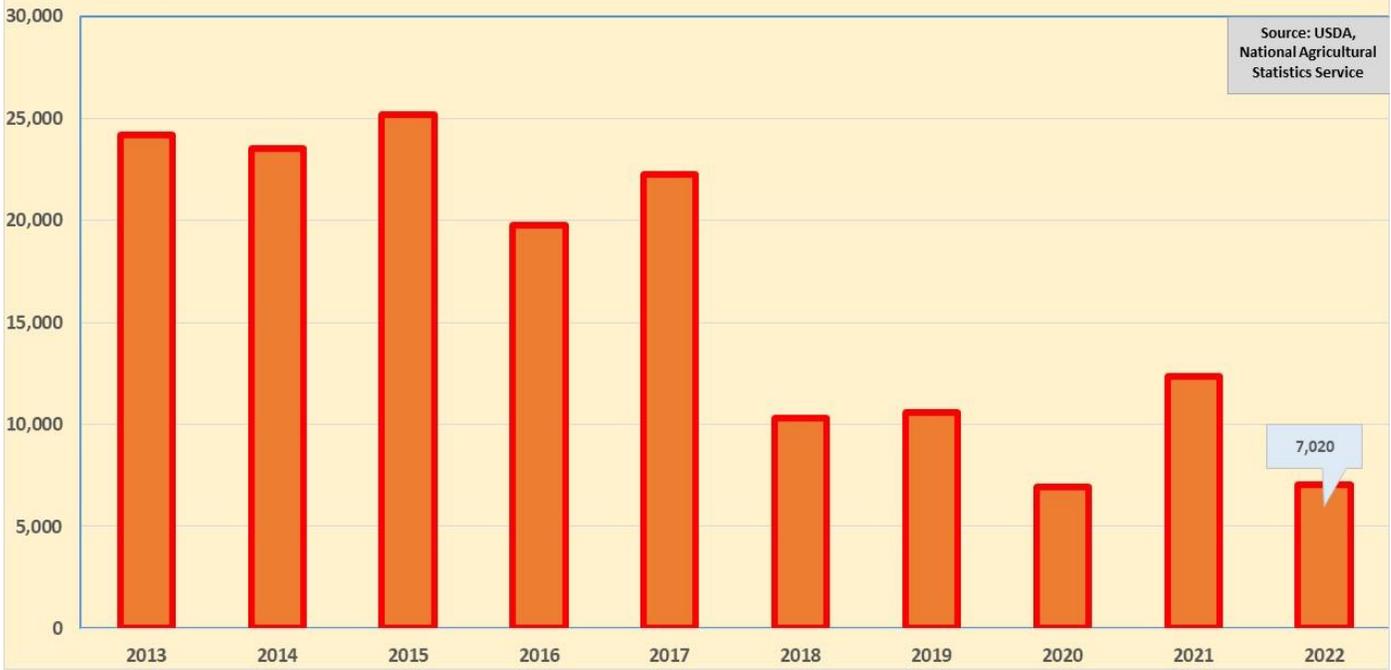


Avocado Price Hawaii



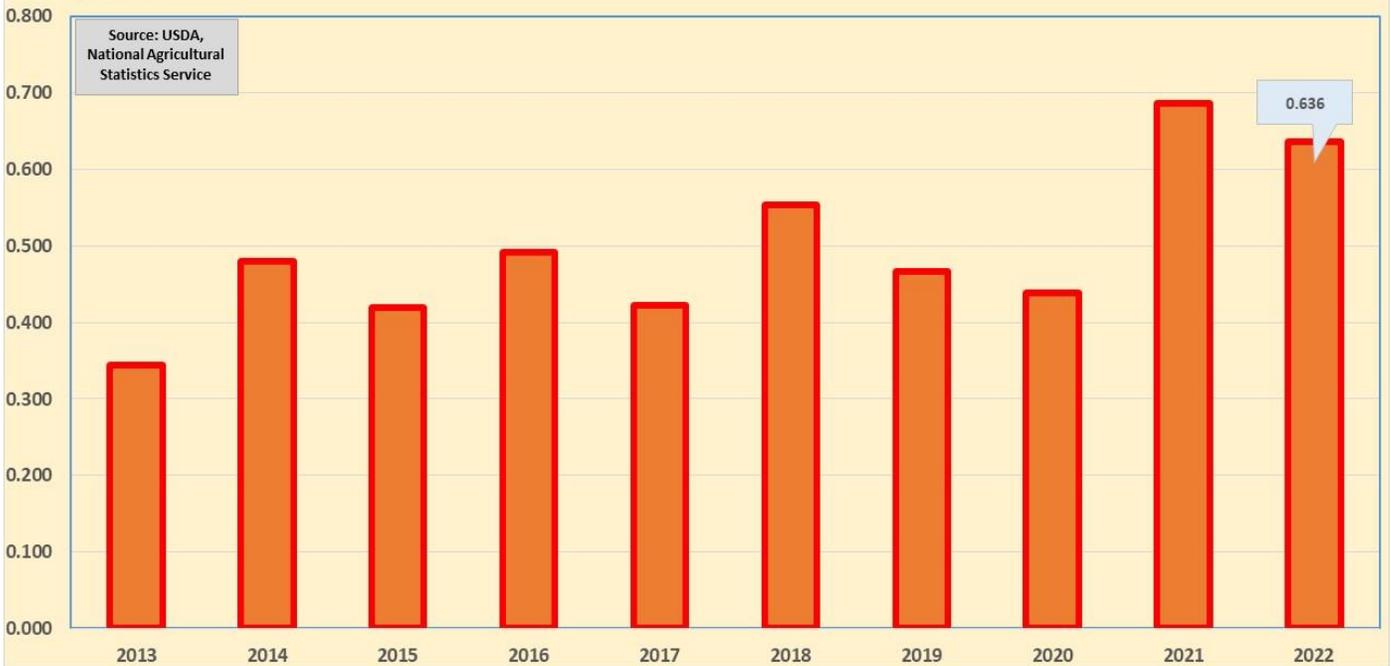
Papaya Utilized Production Hawaii

Thousand Pounds



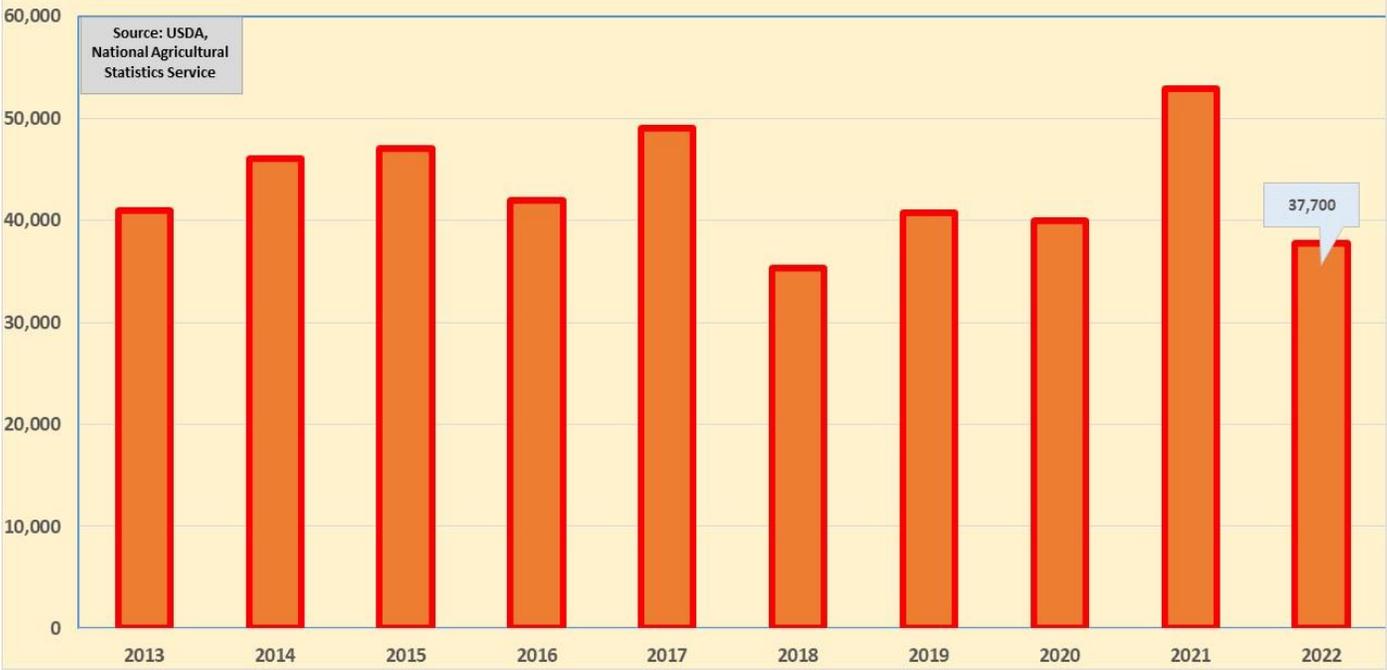
Papaya Price Hawaii

Dollars per pound



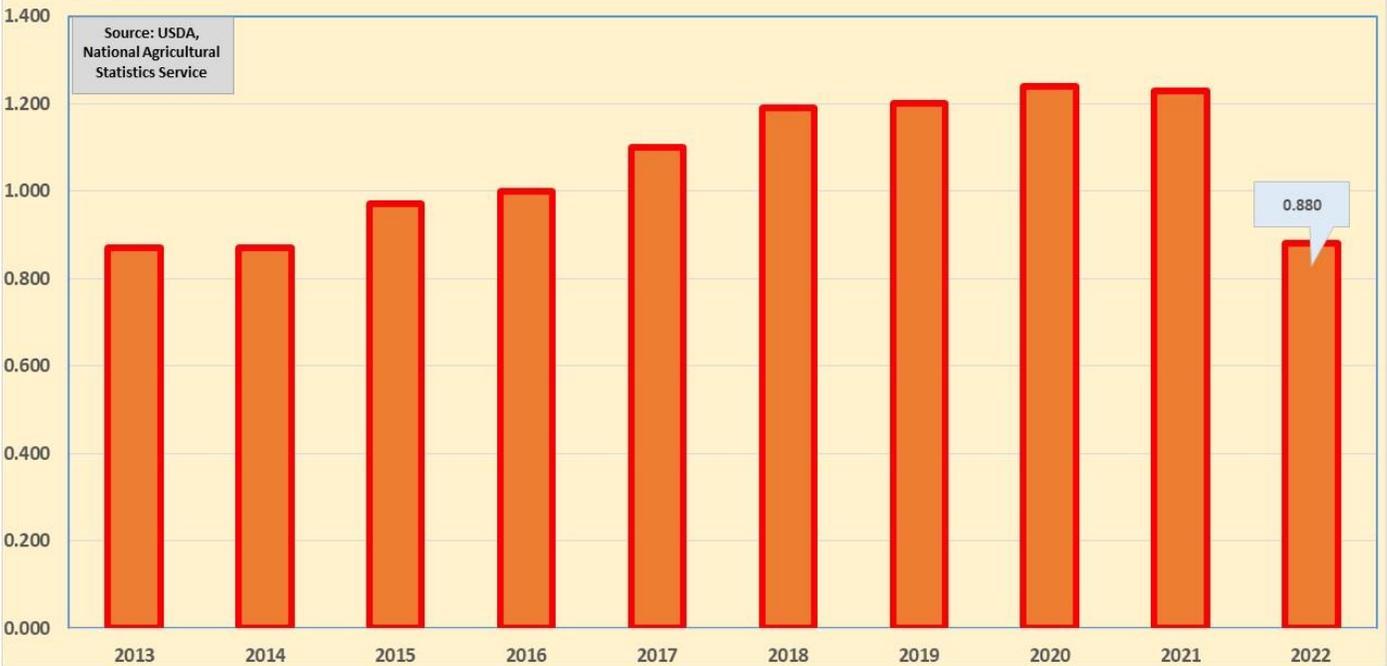
Macadamia Nut Utilized Production Hawaii

Thousand Pounds



Macadamia Nut Price Hawaii

Dollars per pound



Noncitrus Fruits Marketing Seasons

Avocado: November 1 to October for California; June 20 to March 1 for Florida; January 1 to December 31 for Hawaii
Papaya: January 1 to December 31

Tree Nuts Marketing Seasons

Macadamia: July 1 to June 30



The Census of Agriculture is a complete count of U.S. farms and ranches and the people who operate them. Even small plots of land - whether rural or urban - growing fruit, vegetables or some food animals count if \$1,000 or more of such products were raised and sold, or normally would have been sold, during the Census year. The Census of Agriculture, taken only once every five years, looks at land use and ownership, operator characteristics, production practices, income and expenditures. For America's farmers and ranchers, the Census of Agriculture is their voice, their future, and their opportunity.

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